Minutes of FPix DCS meeting on 1/12/06

Place: Fermilab WH8X

Date/Time: 1/12/05 9:30 Am

Attendance:

Muzaffer Atac, Lucien Cremaldi, Umesh Joshi, Simon Kwan, Charles Newsom, David Sanders, JC Yun

News:

There will be a unofficial meeting with the people coming from CERN to discuss DCS issues on Monday afternoon.

System:

Lucien showed his updated timing plots which you may find it in DocDB (#661):

https://docdb.fnal.gov/CMS/DocDB/0006/000661/001/Cremaldi_Mon-02.pdf

He said the DCS line on Warm Start Timing diagram was modified according to Peter Sharp's comment during the last FPixel workshop. Some pointed out that turning on DCU at the early stage is not so simple since there are many other components are involved in reading out DCU.

Charles suggested to include a line called ‘safety’ in the diagram.

Lucien is also wondering if we need software DCU simulation.

Tracking workshop:

There will be 4 DCS talks on late Thursday afternoon during parallel session. This is a joint session of DCS and DAQ subgroups. Charles, Lucien, Christian and JC will make presentations. As Joel pointed out at the last Software meeting, this meeting should focus on commonality search and coordination among subgroups.

Lucien will present his timing diagrams through video connection.

There will be a short DCD talk during the Tuesday plenary session and possibly a closeout talk on Friday.

Others:

There are some progresses made in hardware side. We bought 2 computer monitors for DCS system. Resolution of the monitors are compatible with the PVSS system, which has peculiar fixed resolution settings.

Testbeam:

A stepping motor is being installed at the testbeam for remote control of incident angle. However it may not be available for the coming testbeam run which will start in a week.

SiDet:

Christian and JC installed a test interlock system which involves with the Siemens system and a temperature sensor, a relay and a CAEN controller. Christian wrote a script in PLC to turn on interlock when the temperature reading met the criteria. When the temperature sensor reading was over the threshold the relay was turned off and shorted a Lemo cable which was connected to CAEN interlock input. The CAEN interlock light was turned on at the point. The final interlock system will be more complex since it should include humidity sensor readout.